

Recombinant Human NFYA Protein

Cat. No. NFYA-202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NFYA, transcript variant 2, was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms.
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	33.9kD
AA Sequence	MEQYTANSNSSTEQIVVQAGQIQQQVQGQPLMVQVSGGQLITSTGQPIMVQAVPG GQGQTIMQVPVSGTQGLQQIQLVPPGGQIQIGGQAVQVQGQQGQTQQIIQQPQTA VTAGQTQTQQQIAVQGGQQAQTAEGQTIVYQPVNADGTILQQVTPVSGMITIPAAS LAGAQIVQTGANTNTTSSGQGTVTTLVPVAGNVVNSGGMVMMVPGAGSVPAIQRIP

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	LPGAEMLEEEPLYVNAKQYNRILKRRQARAK
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	NFYA nuclear transcription factor Y, alpha [Homo sapiens]
Official Symbol	NFYA
Synonyms	NFYA; nuclear transcription factor Y, alpha; nuclear transcription factor Y subunit alpha; CBF B; HAP2; NF YA; HAP2 CCAAT-binding protein; Transcription factor NF-Y, A subunit; CAAT box DNA-binding protein subunit A; CAAT-box DNA binding protein subunit A; nuclear transcription factor Y subunit A; CCAAT-binding transcription factor subunit B; CBF-A; CBF-B; NF-YA; FLJ11236;
Gene ID	4800
mRNA Refseq	M_021705
Protein Refseq	NP_068351
MIM	189903



UniProt ID

P23511

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